



Cradle the cranium.

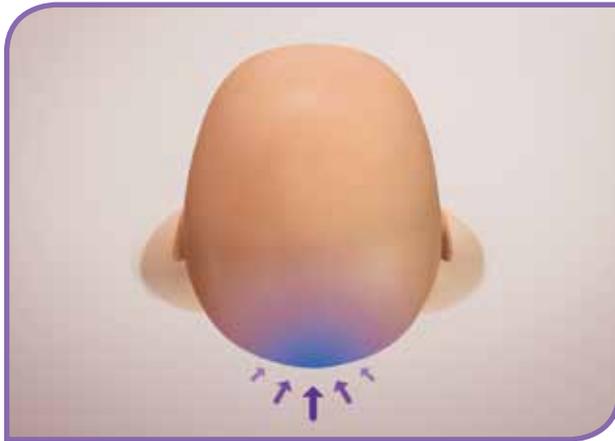


A Few Small Steps to Apply...

One Giant Leap for Specialized Infant Care

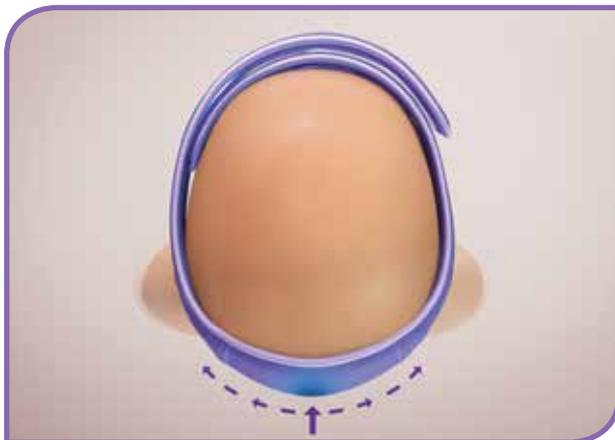
Alleviate extracranial pressure—and protect the developing cranium—with GELShield™

Pressure on the Heads of Hospitalized Infants



- While in the hospital, infants are subject to extracranial pressure from prolonged contact with mattress surfaces and medical equipment
- Reducing peak pressure on the head is a critical aspect of care during this time
- Current protocol relies on frequent repositioning, which is a delicate process that can be limited by the infant's medical status and tolerance for certain positions¹

Alleviate Extracranial Pressure With the GELShield™



The GELShield™ is a gel-filled extracranial pressure-relief device that alleviates pressure on the fragile heads of hospitalized infants. Utilizing our Pressure-Response System™, which includes a combination of state-of-the-art materials and breakthrough technology, the GELShield™ diffuses and distributes localized pressure over the cranium.

Grounded in Science. Gentle in Nature.

The GELShield™ is uniquely designed to cradle the cranium and protect the fragile, still-forming structure. The 3-D curvature of the GELShield™ and the Pressure-Response System™ work in harmony to form a lightweight, unobtrusive device—allowing clinicians to provide proper care of the infant with little added effort. This combination also works to increase surface contact area, which allows for:

- Freedom of head movement
- Full protection in any position



Pressure-Response System™

From the low-friction Recovery5™ HF (Halogen Free) Healthcare Fabric to the proprietary hydrogel at the center, each component of our Pressure-Response System™ plays a specific role in extracranial pressure alleviation and has been selected and tested with infant safety and comfort in mind.



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Significant Pressure Offloading and Increased Contact Area



nearly
300%
INCREASE IN CONTACT AREA



up to
85%
PRESSURE REDUCTION

In a pressure mapping study, pressure and contact area were evaluated on a hard surface and on an infant mattress for different positions. The results demonstrated²:

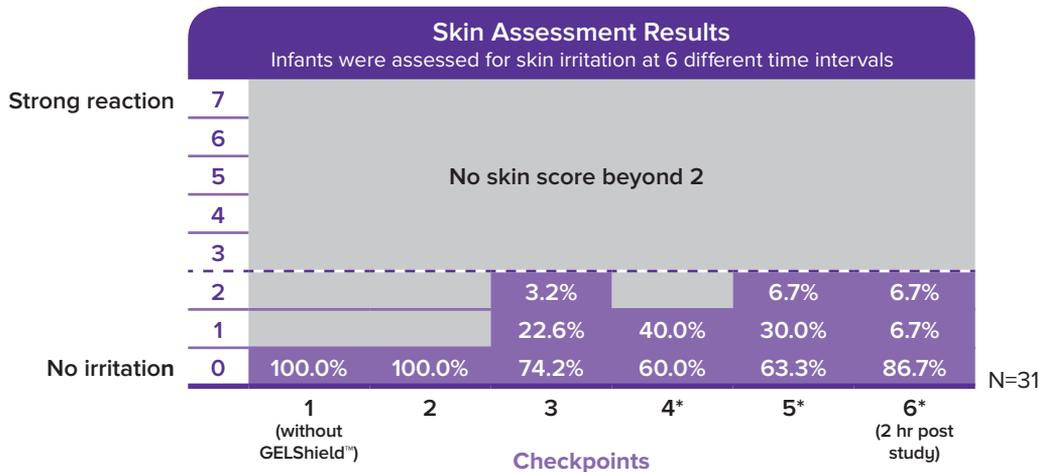
- Increased contact area by nearly 300%
- Decreased peak pressure by up to 85%

The study was performed on a clinical infant mannequin.

Comfort for the Most Delicate Skin

A Baylor University safety study showed that the GELShield™ is a safe alternative to gel pads or other cushioning devices currently in use.²

- No study subject developed pressure- or friction-related sores on the head
- No adverse events or serious adverse events occurred
- None of the subjects had a skin assessment score greater than 2 during the study; only 2 subjects reported a score of 2



Percentage values have been rounded and may not equal 100%.

*Clinician withdrew 1 baby from study after Checkpoint 3 assessment due to score of 2.



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Proven Safety

The GELShield™ is a halogen-free product that has been demonstrated to be safe for use.²



Toxicology risk assessment shows that the GELShield™ does not produce levels of elements or compounds that could pose a risk of adverse events to humans

Element/Compound	Total Maximum Exposure (µg/unit)	Tolerable Exposure Level (µg/day)	Safe for Use
Aluminum	2.93	35	✓
Antimony	48.95	301	✓
Calcium	264.8	100,000	✓
Iron	3.43	112	✓
Magnesium	58.7	1,240	✓
Sodium	8,566.3	120,000	✓
Tin	32.3	115.5	✓
Zinc	19.58	320	✓
Acetone	48.1	700	✓
2-Butanone	0.65	6,195	✓
Toluene	47.7	7,805	✓
Naphthalene	0.255	249	✓
Palmitic Acid	0.983	12,250	✓
Stearic Acid	1.98	12,250	✓
Irganox 1010	4.57	1,057	✓
Irgafos 168	0.66	1,750	✓

Convenient Use in a Complex Environment



The GELShield™ offers simplicity and convenience in a complex, busy environment.

- **Easy on, easy off**
Velcro® bands are easy to use during normal care of the infant
- **Easy to clean**
Use hospital-approved nonalcohol wipes
- **Each infant gets his or her own GELShield™**
Disposable—for single patient use only

Simple Sizing Eases Implementation

SIZING GUIDELINES	Premature		Premature/Full Term
	25-30 weeks	31-37 weeks	38 weeks-3 months after full term
Gestation age	25-30 weeks	31-37 weeks	38 weeks-3 months after full term
Head circumference	9.0-10.9" (22.9-27.7 cm)	11.0-13.0" (27.9-33.0 cm)	13.1-15.0" (33.3-38.1 cm)
GELShield™ size	10" (25.4 cm)	12" (30.5 cm)	14" (35.6 cm)



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About Us

Founded in 2012, Invictus Medical is dedicated to providing newborns with the chance to meet early health milestones that will positively affect the rest of their lives.

Our Vision: To improve the lives of newborns and the individuals who care for them.

Our Mission: To secure early healthy development in newborns by providing innovative products, services, and solutions to the healthcare professional and consumer markets.

Our Commitment to Quality: Invictus Medical is committed to providing safe and effective medical products and high levels of service to the healthcare and consumer markets.

For more information on the GELShield™:

Contact Invictus Medical Customer Care
at 866-245-1161

Visit www.invictusgelshield.com



GELShield is a trademark of Invictus Medical, Inc.

All other trademarks are the property of their respective owners.

References:

1. Hummel P, Fortado D. Impacting infant head shapes. *Adv Neonatal Care*. 2005;5(6):329-340.
2. Data on file. San Antonio, TX: Invictus Medical, Inc.



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